

## INTERNATIONAL SEARCH REPORT

PCT/03/03934

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01L21/78

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	RODWELL M ET AL: "TRANSFERRED-SUBSTRATE HETEROJUNCTION BIPOLAR TRANSISTOR INTEGRATED CIRCUIT TECHNOLOGY" 1999 11TH. INTERNATIONAL CONFERENCE ON INDIUM PHOSPHIDE AND RELATED MATERIALS. CONFERENCE PROCEEDINGS. IPRM DAVOS, MAY 16 - 20, 1999, INTERNATIONAL CONFERENCE ON INDIUM PHOSPHIDE AND RELATED MATERIALS, NEW YORK, NY: IEEE, US, vol. CONF. 11, 16 May 1999 (1999-05-16), pages 169-174, XP000931424 ISBN: 0-7803-5563-6 cited in the application the whole document --- -/--	1

☒ Further documents are listed in the continuation of box C.☐ Patent family members are listed in annex.**\* Special categories of cited documents:**

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

3 December 2003

Date of mailing of the international search report

12/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Boetticher, H

## INTERNATIONAL SEARCH REPORT

PCT/93/03934

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>MENSA D ET AL: "Baseband amplifiers in transferred-substrate HBT technology" GALLIUM ARSENIDE INTEGRATED CIRCUIT (GAAS IC) SYMPOSIUM, 1998. TECHNICAL DIGEST 1998., 20TH ANNUAL ATLANTA, GA, USA 1-4 NOV. 1998, NEW YORK, NY, USA, IEEE, US, 1 November 1998 (1998-11-01), pages 33-36, XP010309847 ISBN: 0-7803-5049-9 the whole document</p> <p>-----</p>	1